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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/783,622

02/20/2004

Kun-Ta Tsai

91557

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24628

7590

08/04/2006

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EXAMINER

AHN, SANGWOO

ART UNIT

PAPER NUMBER

2166

DATE MAILED: 08/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/783,622	TSAI, KUN-TA	
	Examiner	Art Unit	
	Sangwoo Ahn	2166	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 February 2004.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 February 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Drawings***

The drawings are objected to because of a typological error in Figure 2 element 100 (" ... means of a file detective aunit 10 ... "). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Art Unit: 2166

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims \*\*\* are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Publication Number 2004/0098383 issued to Nicholas Tabellion et al (hereinafter "Tabellion").

Regarding claim 1, Tabellion discloses,

A file management system, employed to control a storage capacity of an intelligent network attached storage (paragraph 4, paragraph 6 line 12, et seq.), said system comprising:

a storage unit, storing file data (Figures A – B, et seq.);

a file directory unit, coupled to said storage unit, said file directory unit recording and controlling the status of said storage unit by managing the addresses of said file data (paragraph 46 line 11, et seq.);

a file detective unit, coupled to said file directory unit, said file detective unit detecting and changing a processing signal of said file data or detecting and adding said processing signal of said file data (paragraph 47, et seq.);

a file filter unit, respectively coupled to said storage unit, said file directory unit, and said file detective unit, said file filter unit receiving said processing signal from said file detective unit, wherein said file filter unit handles said processing signal according to criteria of said file filter so as to control reading and writing status of said storage unit (paragraph 52, et seq.).

Regarding claim 2, Tabellion discloses said criteria comprise an expiration date to delete said file data after the expiration date (paragraph 75, et seq.).

Regarding claim 3, Tabellion discloses said criteria comprise a capacity limit to delete said file data when said storage unit is under the capacity limit (paragraphs 52 and 75, et seq.).

Regarding claim 4, Tabellion discloses said criteria comprise file categories so as to decide whether said file data should be written or not according to file name extensions (paragraph 75, et seq.).

Regarding claim 5, Tabellion discloses said file categories are selected from a group consisting of temporary files, trash mails and a combination thereof (paragraphs 75 and 109, et seq.).

Regarding claim 6, Tabellion discloses said storage unit is selected from a group consisting of floppy disks, hard disk drives, redundant array of independent disks, random access memory, non-volatile memory, rewritable optical discs and combinations thereof (paragraph 4, et seq.).

Regarding claim 7, Tabellion discloses said file detective unit further comprises detecting a processing signal of adding a new file data so as to control the writing status of said file data (paragraph 47, et seq.).

Regarding claim 8, Tabellion discloses,

A file management method, employed to control a storage capacity of an intelligent network attached storage, said method comprising the steps of:

detecting a processing signal of file data by means of a file detective unit data while said file data is being written in a storage unit (paragraph 47, et seq.);

sending said processing signal to a file filter so as to control the writing status of said file data (paragraph 47, et seq.);

receiving said processing signal by means of said file filter, handling said processing signal according to the criteria of said file filter so as to decide whether said file data should be written in said storage unit or not (paragraph 52, et seq.); and

continuing to detect said processing signal by means of said file filter and recording writing and reading procedures of said file data so as to manage said file data (paragraphs 46 – 48 and 52, et seq.).

Regarding claim 9, Tabellion discloses said criteria comprise an expiration date to delete said file data after the expiration date (paragraph 75, et seq.).

Regarding claim 10, Tabellion discloses said criteria comprise a capacity limit to delete said file data when said storage unit is under the capacity limit (paragraphs 52 and 75, et seq.).

Regarding claim 11, Tabellion discloses said criteria comprise file categories so as to decide whether said file data should be written or not according to file name extensions (paragraph 75, et seq.).

Regarding claim 12, Tabellion discloses said file categories are selected from a group consisting of temporary files, trash mails and a combination thereof (paragraphs 75 and 109, et seq.).

Regarding claim 13, Tabellion discloses said storage unit is selected from a group consisting of floppy disks, hard disk drives, redundant array of independent disks, random access memory, non-volatile memory, rewritable optical discs and combinations thereof (paragraph 4, et seq.).

Regarding claim 14, Tabellion discloses,

A file management method, comprising:

detecting a processing signal of file data by means of a file detective unit data while said file data being amended in a storage unit (paragraphs 47, 48, 109, et seq.);

sending said processing signal to a file filter so as to control an amending status of said file data (paragraphs 47, 48, 109, et seq.); and

receiving said processing signal by means of said file filter, handling said processing signal according to criteria of said file filter so as to decide whether said file data should be written in said storage unit or not (paragraphs 47, 48, 109, et seq.).

Regarding claim 15, Tabellion discloses said criteria comprise an expiration date to delete said file data after the expiration date (paragraph 75, et seq.).

Regarding claim 16, Tabellion discloses said criteria comprise a capacity limit to delete said file data when said storage unit is under the capacity limit (paragraphs 52 and 75, et seq.).

Regarding claim 17, Tabellion discloses said criteria comprise file categories so as to decide whether said file data should be written or not according to file name extensions (paragraph 75, et seq.).

Regarding claim 18, Tabellion discloses said file categories are selected from a group consisting of temporary files, trash mails and a combination thereof (paragraphs 75 and 109, et seq.).

Regarding claim 19, Tabellion discloses said storage unit is selected from a group consisting of floppy disks, hard disk drives, redundant array of independent disks, random access memory, non-volatile memory, rewritable optical discs and combinations thereof (paragraph 4, et seq.).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent Number 6,389,460 issued to Stewart et al discloses a method and apparatus for efficient storage and retrieval of objects in and from an object storage device.

U.S. Patent Number 6,691,113 issued to Harrison et al discloses automatic expiration to delete the repository after a predetermined time period.

U.S. Publication Number 2002/0194326 issued to Gold et al discloses managing admission of new user accounts into a computer entity.



**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sangwoo Ahn whose telephone number is (571) 272-5626. The examiner can normally be reached on M-F 10-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571)272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sangwoo Ahn  
Patent Examiner  
AU 2166

8/2/2006 SW



**HOSAIN ALAM**  
**SUPERVISORY PATENT EXAMINER**